

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: DENATALE et al.

Serial No. 10/675,606

Group Art Unit: (unassigned)

Filed: September 29, 2003

Examiner: (unassigned)

Title: LOW LOSS RF MEMS-BASED PHASE SHIFTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(b)

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicants bring to the attention of the Examiner the documents listed on the attached Form PTO-1449. This Information Disclosure Statement is being filed within three months of the filing of the above referenced application or before the mailing date of a first Office Action on the merits for the above-referenced application.

In accordance with the PTO procedure, (all patent applications filed after June 30, 2003), we have not enclosed the U.S. patent references cited on PTO form 1449.

Applicants respectfully request that the Examiner consider the listed documents and evidence that consideration of relevant portions thereof by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

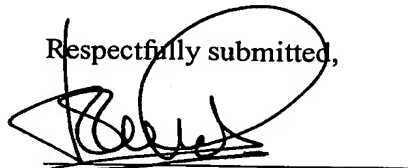
11/19/03
Date

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constitute "prior art" under United States law, applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Louis A. Mok', is written over a horizontal line.

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Dated: November 19, 2003

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FORM PTO-1449 (Modified)

Docket No.
00SC134US9Application Number
10/675,606INFORMATION DISCLOSURE CITATION
IN AN APPLICATIONApplicant
DENATALE et al.Filing Date
September 29, 2003

Group Art Unit

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number							Date	Name	Class	Subclass	Filing Date If Appropriate
	5	5	7	8	9	7	6	11/1996	YAO	333	262	
	5	8	8	0	9	2	1	03/1999	THAM et al.	361	233	
	5	9	5	9	5	1	6	09/1999	CHANG et al.	334	14	
	6	2	8	1	8	3	8	08/2001	HONG	342	371	
	6	5	3	8	6	0	3	03/2003	CHEN et al.	342	372	7/21/2000

FOREIGN PATENT DOCUMENTS

	Document Number							Date	Country	Class	Subclass	Translation	
												Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	"HIGH ISOLATION CPW MEMS SHUNT SWITCHES PART 2: DESIGN", IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, DECEMBER 1999, Muldavin et al., p. 1-4.
	2	"QUICK PROTOTYPING OF FLIP CHIP ASSEMBLY WITH MEMS", Irwin, et al., 1998, NSF CENTER FOR ADVANCED MANUFACTURING AND PACKAGING OF MICROWAVE, OPTICAL AND DIGITAL ELECTRONICS, DEPT OF MECHANICAL ENGINEERING UNIVERSITY OF COLORADO, BOULDER, CO., 8 pages.
	3	"FLIP-CHIP ASSEMBLY FOR SI-BASED RF MEMS", PROCEEDINGS OF THE 12th IEEE INTERNATIONAL CONF. ON MICROELECTROMECHANICAL SYSTEMS (MEMS 99), JAN. 1999, pp 273-278.
Examiner		Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.